



SUMMARY TEST DATA ON PDVAN-8018-60-8

Customer: _____
Job No: _____
Model No: PDVAN-8018-60-8
Serial No: PL33847/2136

Tested By: K. Mansfield
Date: Thursday, September 9, 2021
Temperature: +25° C
Drawing No: 27618149 Rev: A2

TEST. ITEM NO	PARAMETERS	SPECIFIED VALUE	MEASURED VALUE	QA QC
1	Frequency Range:	8 GHz to 18 GHz	8 GHz to 18 GHz	PMI QA 2
2	Mean Attenuation Range:	60 dB	64 dB	
3	LSB:	0.25 dB	0.2 dB	
4	Insertion Loss:	3.7 dB Max.	3.2 dB See Plot	
5	VSWR:	2.0:1 Max.	1.7:1 See Plot	
6	Power Rating:	+25 dBm CW Min (Operating) +30 dBm CW Max (Survival)	Pass	
7	Attenuation Flatness:	±0.8 dB @ 10 dB Attenuation ±1.1 dB @ 20 dB Attenuation ±1.5 dB @ 40 dB Attenuation ±1.6 dB @ 60 dB Attenuation	±0.31 dB @ 10 dB ±0.56 dB @ 20 dB ±0.67 dB @ 40 dB ±1.47 dB @ 60 dB See Plot	
8	Switching Speed:	500 ns Max.	2 µs See Typical Characteristics	
9	Digital Control:	8 Bit Binary TTL	Pass	
10	Input Tracking:	Monotonic	Pass	
11	DC Supply:	+12 to +15VDC @ 150mA Max. -12 to -15VDC @ 75mA Max.	+12 VDC @ 39 mA -12 VDC @ 0 mA	PMI QA 2

Programed Attenuation	Attenuation	Accuracy of Attenuation	Flatness ±dB
0.25	0.20	0.05	0.01
10.00	10.41	-0.41	0.31
20.00	20.48	-0.48	0.56

Programed Attenuation	Attenuation	Accuracy of Attenuation	Flatness ±dB
40.00	40.92	-0.92	0.67
60.00	61.06	-1.06	1.47
63.75	63.85	-0.10	2.19

QA/QC Approval: _____

PMI
QA 2

Date: _____

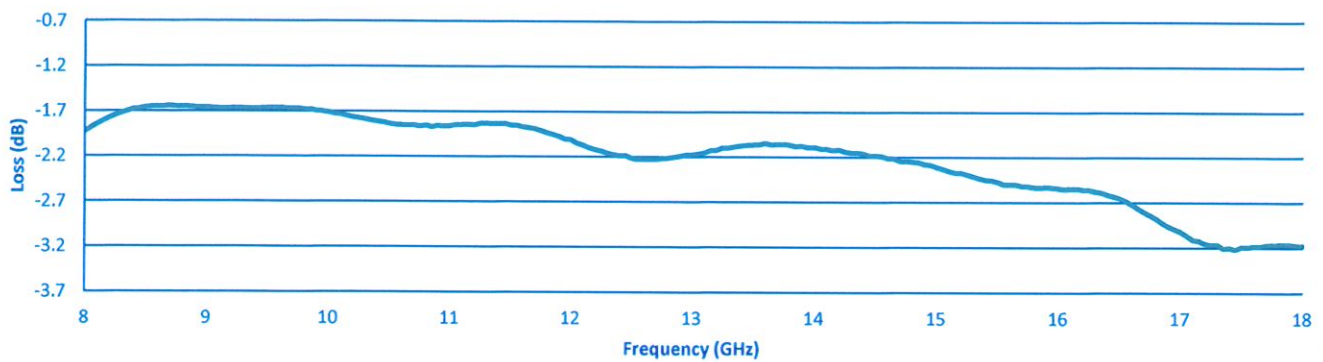
9/13/2021



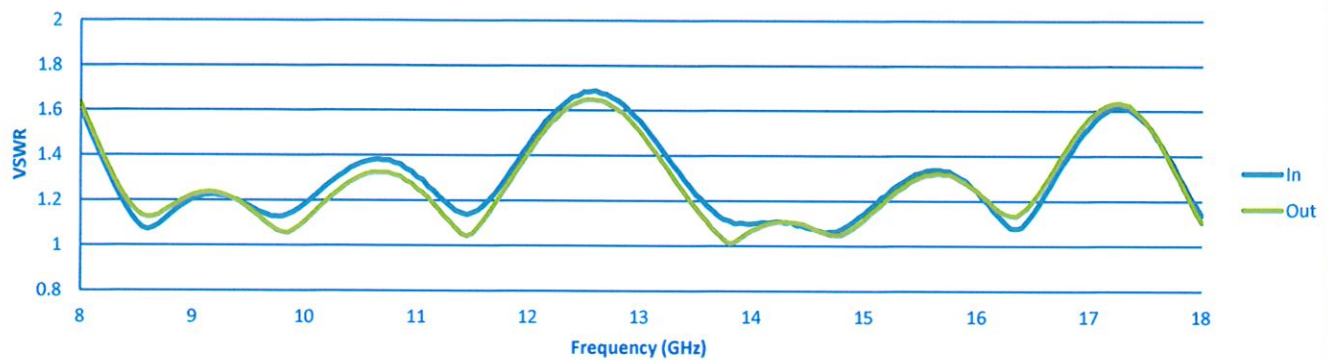
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Insertion Loss



VSWR



Attenuation vs. Frequency

